



COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (708) 953-9300

0002

SINCE 1908

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1020, HUNTINGTON, UT 84528
TELEPHONE: (801) 653-2311
FAX: (801) 653-2479

February 18, 1991

Slash S Cattle Co.
1810 Shumway Lane
Moab, Utah 84532

Sample identification by

Kind of sample Coal
reported to us

Upper Vein

Sample taken at

Sample taken by

Date sampled February 11, 1991

Date received February 14, 1991

Analysis Report No. 59-126782

PROXIMATE ANALYSIS

| | <u>As Received</u> | <u>Dry Basis</u> | | |
|----------------|--------------------|------------------|-----|-------|
| % Moisture | 7.43 | XXXXX | | |
| % Ash | 39.33 | 42.49 | | |
| % Volatile | 26.90 | 29.06 | | |
| % Fixed Carbon | 26.34 | 28.45 | | |
| | 100.00 | 100.00 | | |
| Btu/lb | 6003 | 6485 | MAF | 11276 |
| % Sulfur | 2.52 | 2.72 | | |

pH = 2.0 Units

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.


Manager, Huntington Laboratory

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JOHN C. KEPHART & CO.
GRAND JUNCTION LABORATORIES

435 NORTH AVENUE

PHONE 242-7618

GRAND JUNCTION, COLORADO 81501

ANALYTICAL REPORT

Received from: *Slash S Cattle Co.*
Moab, UT

Customer No. _____ Laboratory No. *3239-C* Sample *mineral*

Date Received *8/31/90* Date Reported *9/26/90*

Sample *3239-C*
Black Mineral

Total Nitrogen(N) *1.65 % as received = 1.73 % dry*

Total Phosphorous(P) *0.014 % as received = 0.015 % dry*

Total Potassium(K) *0.052 % as received = 0.055 % dry*

Organic Matter *16.94 % as received = 17.75 % dry*

pH *3.0*

Soluble Salts
by Electrical Conductance *15.5 mmhos/cm*

Moisture *4.6 % as received*

Ash *24.21 % as received = 25.38 % dry*

Sulfur *1.75 % as received = 1.83 % dry*

BTU/lb *9,995 as received = 10,477 dry*

Volatile Matter *33.79 % as received = 35.42 % dry*

Fixed Carbon *37.4 % as received = 39.2 % dry*

Calculated from Proximate Analysis:

Carbon *58.8 %*
Hydrogen *3.9 %*
Oxygen *5.63 %*

Director: *B. Bauer*